

PTO/SB/97 (08-00)

Certificate of Transmission under 37 CFR 1.8

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office

on <u>August 10, 2004</u> date

DJ Bogorodsky

Typed or printed name of person signing Certificate

In re: application of: Peter Bain
Application Number: 10/644,223

Filed: August 19, 2003 Confirmation Number: 6465

Title: FAST PARALLEL CALCULATION OF CYCLIC REDUNDANCY CHECKS

Atty Docket Number: 015114-065200US JMZ/djb

Being faxed to the OIPE at facsimile number 1-703-746-4060 are the following documents:

this PTO/SB/97 Certificate of Transmission (1 page); PTO/SB/21 Transmittal Form (1 page); PTO/SB/81 Power of Attorney (1 page); and PTO/SB/96 Statement under 37 CFR 3.73(b) (1 page)

Number of pages being transmitted, including this page: 4

60278833 v1

Townsend and Townsend and Crew LLP
Telephone -- 650-326-2400
Facsimile -- 650-326-2422

fax ref. # 26394

					PTO/SB/21 (08-	
	-	Applica	ation Number	10/644	1 223	
TRANSMITTAL FORM (to be used for all correspondence after initial filling) Total Number of Pages in This Submission 4			Filing Date		August 19, 2003	
		⊢	First Named Inventor		Bain	
		Art Uni	~···		2133	
		1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Examiner Name			
		 	Attorney Docket Number		015114-065200US	
		<u> </u>		<u></u>	4-06520005	
Fee Transmittal Form			S (Check all that appl		And Allerman and A	
	1_	ng(s)		1 —	ter Allowance Communication to Group speal Communication to Board of Appeal	
Fée Attached	Fee Attached Licensi		ng-related Papers		d Interferences	
☐ Amendment/Reply ☐ Petition		n	•	Ap No	peal Communication to Group (Appeal tice, Brief, Reply Brief)	
			o to Convert to a conal Application B/81 Power of Attorney (1pg)		pprietary information	
Affidavits/declaration(s)	⊠ PTO/SI				atus Letter	
Extension of Time Request	☐ Termir	na) Disclair	al Disclaimer		her Enclosura(s) pase Identify below):	
Excress Abandonment Request			t for Refund mber of CD(s)		PTO/SB/97 Certificate of Transmission (1pg) this PTO/SB/91 Transmittal Form (1pg) PTO/SB/96 Statement under 37 CFR 3.73(b) (1pg)	
		rks	The Commissioner is authorized to charge any additional fees to De Account 20-1430.			
		,				
Response to Missing Parts under 37 CFR 1.52 or 1,53					•	
SI	SNATURE O	F APPLI	CANT, ATTORNEY,	OR AGI	ENT	
Firm Townsend and		nd Crew	_			
Individual J. Matthew Zigmant Reg. No. 44,005				5		
Signature / ma	ne for		•			
Date 8-12	-04					
	CER	TIFICATE	OF TRANSMISSIO	N		
I hereby certify that this correspondence	ls being fạcsli	mile transn	nitted to the Patent and	Tradema	ork Office, Fax No. (703) 746-4060 on	
Typed or printed name DJ Bogorot	sky					
Signature DV	malle	'cı		Date	10 Aug oct	
C0278824 v4)	*				

AUG 1 0 2004

Please type a plus algn (+) Inside this box -> +

PTO/SB/81 (02-01)
Approved for use through 10/31/2002, OMB 0851-0036
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are	required to respond to a collection of inform	nation unless it displays a valid QMB control number.		
POWER OF ATTORNEY OR AUTHORIZATION OF AGENT	Application Number	10/644,223		
	Filing Date	August 19, 2003		
	First Named Inventor	Peter Bain		
	Title	Fast Parallel Calculation of Cyclic Redundancy Checks 2133		
	Group Art Unit			
	Examiner Name			
	Attorney Docket Number	15114-065200US		

I hereby appoint:		-	Place Customer
Practitioners at Customer Number OR	26059	-	Number Bar Code Label here
☐ Practitioner(s) named below:			Leiber 11815
Nam	е	Registrati	on Number
			
			·
			·
as my/our attorney(s) or agent(s) to pro- business in the United States Patent an	secute the application iden d Trademark Office conner	othed above, and to	transact all
Please change the correspondence add		ed application to:	
☐ The above-mentioned Customer Nur OR	nber.		•
☐ Firm or			
Individual Name			
Address			
Address			
City	Stat	ie e	ZIP
Country			
Telephone	Fa	×	
I am the:	<u> </u>		
Applicant/Inventor,			
Assignee of record of the entire int			
Statement under 37 CFR 3.73(b) is	enclosed (Form PTO/SB	/96).	
Sid	GNATURE of Applicant o	r Assignee of Reco	ord .
	Director, Intellectual Prope	erty Law and Assista	int Secretary
Signature Signature	à:L_		
Date 8/(9/03			
NOTE: Signatures of all the inventors of Submit multiple forms if more than one	r assignees of record of t	the entire interest on the below*.	or their representative(s) are required.
Dundan Line Orange Miles Company			

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any Comments on the amount of time you are required to complete this form should be sont to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

EAUG.10.2004 12:17PM

PTC/SB/96 (06-00)

Approved for use through 10/31/2002, OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of improved on unless it displays a valid CMB control number. Attorney Docket No. 015114-065200US

Client Ref. A929

STATEMENT UNDER 37 CFR 3.73(b)					
Applicant/Patent Owner: Peter Bain					
Application No./Patent No.: 10/644,223 Filed/issue Date: August 19, 2003					
Entitled: Fast Parallel Calculation of Cyclic Redundancy Checks					
Aftera Corporation a Corporation					
(Name of Assignee) (Type of Assignée, e.g., corporation, partnership, university, government agency, etc.)					
states that it is:					
1. the assignee of the entire right, little, and interest; or					
2. an assignee of an undivided part Interest					
in the patent application/patent identified above by virtue of either:					
An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel 014120 Frame 0285 or for which a copy thereof is attached.					
B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:					
1. From: To :					
The document was recorded in the United States Patent and Trademark Office at Reel or for which a copy thereof is attached.					
2. From: To :					
The document was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.					
3. Fram: To :					
The document was recorded in the United States Patent and Trademark Office at					
Reel, Frame, or for which a copy thereof is attached.					
Additional documents in the chain of title are listed on a supplemental sheet.					
Copies of assignments or other documents in the chain of title are attached. [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]					
The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.					
8 19/03 Sent Etli					
Date Signature					
Derek E. Minihane					
Typed or printed name					
Director, Intellectual Property Law and Assistant Secretary					
Titte					

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Petent and Trademark Office, Washington, DC 20231, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. 60020676 VI